



## CASE STUDY

# QSAW Q601 PLUS M42 GROUND TOOTH, VARIABLE TOOTH HEIGHT

## THE CHALLENGE

A custom automotive shop based in Houston reached out to us to see if we had any new blades to try. They wanted to work with a local blade and saw provider for ease of communication and delivery.

While they were happy with their current blades, they were open to the idea of trying some new technology designed for large, solid sections of nickel or exotic-based alloys and see if we could improve their productivity.

They asked us if we had a solution to speed up production, especially when cutting stainless steel or titanium for exhaust pipes.

## OUR SOLUTION

Our team of experts at sawblade.com recommended the Qsaw Q601 Plus M42 Ground Tooth, Variable Tooth Height Band Saw Blade as the perfect solution for the automotive shop's needs. This blade is ideal for alloys prone to work hardening thanks to its M-42 cobalt high-speed steel edge. The M-42 cobalt high-speed steel is known for its exceptional edge retention and resistance to abrasion and heat, making it an ideal choice for cutting hard materials such as nickel or exotic-based alloys.

We knew that this blade would be a good match for the automotive shop's needs, not only it can handle the work hardening prone materials, but also its unique features of variable tooth height, cobalt high-speed steel and chrome backing would improve the overall output.

## YOUR ADVANTAGE

The Q601 VTH Band Saw Blade boasts a unique feature of variable tooth height, which is a design that we developed at sawblade.com. This design is intended to provide an efficient and smooth cutting performance, as well as increased penetration in the material being cut.

The variable tooth height design of the Q601 VTH not only improves cutting efficiency, but it also has a positive impact on the blade's life expectancy. The unique tooth geometry prolongs the blade's life by reducing the amount of wear and tear on the teeth, and minimizes work hardening.

## THE WIN

Our customer was able to cut parts a lot faster using the Qsaw Q601 Plus M42 Ground Tooth, Variable Tooth Height Band Saw Blade. On average, the customer was able to decrease their cutting time for a 3/8-inch stainless steel pipe by approximately 45 to 50 seconds in comparison to when they were using their previous blades.

This represents a significant improvement in productivity for the automotive shop, allowing them to complete more jobs in less time and ultimately increasing their overall output. Furthermore, this faster cutting speed also enables them to take on more projects and potentially expand their business.

***If you need a M42 band saw blade to cut through large, solid sections of nickel or exotic-based alloys, the Qsaw 601 VTH Plus is the blade for the job.***

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